

# ASAD ALI

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## EDUCATION

### University of Ottawa

Bachelor of Applied Science, Software Engineering (CO-OP)

Ottawa, ON

September 2022 - December 2026

## SKILLS

Programming Languages: **Java, Python, HTML, CSS, JavaScript, SQL, LaTeX, C/C++**

Frameworks: **React, Flask, Node, Restful APIs, Spring Boot, Maven**

Developer Tools: **GitHub, Git, Bash, Co:here, MySQL, Android Studio, Firebase, SQLite, Postman, Kubernetes, Docker, OCI, JIRA, Jenkins, OAuth 2.0**

## WORK EXPERIENCE

### 8x8

Ottawa, ON

*Backend Developer*

January 2024 - Present

- Utilize **Spring Boot** with **Spring MVC** methodology to develop and maintain APIs, leveraging **Maven** for project management and dependency resolution. **Kubernetes** and **Docker** containerization to manage and deploy services, including integration with Cloud8 for automated build and deployment processes via **Jenkins**.
- **Actively collaborate** with team members and seek assistance when encountering challenges, fostering a collaborative work environment conducive to **problem-solving and knowledge sharing**.
- Addressing internal stakeholder use cases within the device certification lab by **enhancing device API features**. Implemented improvements to **optimize functionality and usability**, ensuring seamless integration with internal systems and meeting stakeholder requirements effectively.
- Demonstrate expertise in troubleshooting rigorous integration issues and **conducting tests within CI pipelines** to ensure the **seamless functionality and reliability of APIs**.
- **Optimized API performance** through endpoint refactoring, filtering, and conducted load testing achieving a **10% enhancement in API response times** and throughput.

### uOttaHack

Ottawa, ON

*Logistics Coordinator*

August 2023 - Present

- Orchestrated **collaborative efforts** to ensure the successful execution of initiatives, leveraging shared expertise, active participation in stand-up meetings, and providing assistance during the hackathon.
- **Coordinated various aspects of the 36-hour hackathon**, including food selection, workshop organization, networking sessions, and challenge design. Aimed to create an engaging environment to enhance the hacker experience, fostering creativity, collaboration, and community building.

## PROJECTS

### Trivia Game - [github.com/Twoos123/OutStemChallenge](https://github.com/Twoos123/OutStemChallenge)

Ottawa, ON

*Full Stack Development Project*

September 2023 - November 2023

- Created trivia game using **React**, pulling questions in real-time from Open Trivia Database via **Node**.
- Features: dynamic question loading, state management, game modes, scoreboard, animations, and error handling via **JavaScript**.

### RoadOptimization - [github.com/Twoos123/RoadOptimization](https://github.com/Twoos123/RoadOptimization)

Ottawa, ON

*uOttaHack 5 Submission*

February 2023 - March 2023

- Collaborated with 3 person team to develop an **algorithm** simulation using Dijkstra's Algorithm in **Java**, providing an efficient solution to determine optimal shortest path routes for postal trucks.
- Incorporated comprehensive variable considerations such as weather and road conditions, to **enhance the accuracy and adaptability** of the route optimization algorithm.

### MenuMate - [github.com/Twoos123/MenuMate](https://github.com/Twoos123/MenuMate)

Montreal, QC

*McHacks X Submission*

January 2023 - February 2023

- Collaborated with 5 person team on the construction of a **Flask** backend, optimizing data processing and API integration. **React** for front-end development, enhancing team collaboration/project synergy.
- Employed **Co:here** NLP for comprehensive website data scraping, enabling efficient data processing.

### Serenity (Placed top 10 out of 100 students) - [github.com/Twoos123/Serenity](https://github.com/Twoos123/Serenity)

Ottawa, ON

*Front End Web App Project*

September 2022 - December 2022

- Orchestrated and led a proficient 5-person team through the web application development process, employing **HTML, CSS, and JavaScript** to craft an aesthetically pleasing and intuitive user interface.
- Implemented and sustained a collaborative work environment by facilitating regularly scheduled meetings. Proactive communication ensured a dynamic development atmosphere and project success.